

WHAT IS CLAIMED IS:

1. A system for transforming custom content generation tags, comprising:
a web server operable to receive a request from a web browser, the request
identifying a file comprising one or more custom content generation tags that the web
browser is unable to interpret, and the web server operable to communicate the
custom content generation tags;

a transformation engine operable to receive the custom content generation
tags, transform the custom content generation tags into first output that the web
browser is able to interpret, and communicate the first output to the web server, the
transformation engine unable to interpret the custom content generation tags; and

the web server further operable to receive the first output and to communicate
the first output to the web browser in response to the request.

2. The system of Claim 1, wherein the first output comprises code
selected from the group consisting of HyperText Markup Language (HTML) code,
Extensible Markup Language (XML) code, and Wireless Markup Language (WML)
code.

3. The system of Claim 1, wherein:
the requested file further comprises one or more standard content generation
tags that the web browser is unable to interpret;

the system further comprises a web page processing engine operable to
interpret the standard content generation tags and generate second output that the web
browser is able to interpret, the web page processing engine unable to interpret the
custom content generation tags;

the web page processing engine further operable to communicate the second
output and the unprocessed custom content generation tags to the web server, the web
server communicating the unprocessed custom content generation tags to the
transformation engine; and

the web server further operable to communicate the second output to the web
browser with the first output in response to the request.

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4. The system of Claim 3, wherein:

the web server is operable to communicate the second output to the transformation engine with the unprocessed custom content generation tags; and

the transformation engine is operable to communicate the second output back to the web server with the first output.

5. The system of Claim 3, wherein:

the requested file comprises a JAVASERVER PAGE (JSP) file;

the standard content generation tags comprise JSP standard tags;

the custom content generation tags comprise JSP custom tags; and

the web page processing engine comprises a JSP engine unable to process the JSP custom tags.

6. The system of Claim 3, wherein the first and second output comprises code selected from the group consisting of HyperText Markup Language (HTML) code, Extensible Markup Language (XML) code, and Wireless Markup Language (WML) code.

7. The system of Claim 3, wherein:

the web page processing engine is operable to attach a header to the unprocessed custom content generation tags, the header indicating the presence of the unprocessed custom content generation tags; and

the web server is operable to communicate the unprocessed custom content generation tags to the transformation engine in response to the header.

8. The system of Claim 1, wherein the transformation engine comprises an Extensible Stylesheet Language Transformation (XSLT) engine, the XSLT engine operable to transform the custom content generation tags using an Extensible Stylesheet Language (XSL) stylesheet.

9. The system of Claim 8, wherein the XSL stylesheet comprises one or more templates corresponding to each custom content generation tag, the templates comprising HTML code to replace the corresponding custom content generation tag.

5 10. The system of Claim 9, wherein one or more of the templates comprise code operable to generate HTML code to replace the corresponding custom content generation tag.

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11. A method for transforming custom content generation tags, comprising:

receiving a request from a web browser for a file comprising one or more custom content generation tags that the web browser is unable to interpret;

5 transforming the custom content generation tags using a transformation engine into first output that the web browser is able to interpret, the transformation engine unable to interpret the custom content generation tags; and

communicating the first output to the web browser in response to the request.

10 12. The method of Claim 11, wherein the first output comprises code selected from the group consisting of HyperText Markup Language (HTML) code, Extensible Markup Language (XML) code, and Wireless Markup Language (WML) code.

15 13. The method of Claim 11, wherein:
the requested file further comprises one or more standard content generation tags that the web browser is unable to interpret; and

the method further comprises:

20 processing the file using a web page processing engine operable to interpret the standard content generation tags and generate second output that the web browser is able to interpret, the web page processing engine unable to interpret the custom content generation tags;

communicating the unprocessed custom content generation tags to the transformation engine; and

25 communicating the second output to the web browser with the first output in response to the request.

30 14. The method of Claim 13, further comprising communicating the second output to the transformation engine with the unprocessed custom content generation tags, the second output being unaffected by the transformation engine.

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15. The method of Claim 13, wherein:
the requested file comprises a JAVASERVER PAGE (JSP) file;
the standard content generation tags comprise JSP standard tags;
the custom content generation tags comprise JSP custom tags; and
5 the web page processing engine comprises a JSP engine unable to process the
JSP custom tags.

16. The method of Claim 13, wherein the first and second output
comprises code selected from the group consisting of HyperText Markup Language
10 (HTML) code, Extensible Markup Language (XML) code, and Wireless Markup
Language (WML) code.

17. The method of Claim 13, wherein:
the method further comprises attaching a header to the unprocessed custom
15 content generation tags, the header indicating the presence of unprocessed custom
content generation tags; and
the unprocessed custom content generation tags are communicated to the
transformation engine in response to the header.

20 18. The method of Claim 11, wherein the transformation engine comprises
an Extensible Stylesheet Language Transformation (XSLT) engine, the XSLT engine
operable to transform the custom content generation tags using an Extensible
Stylesheet Language (XSL) stylesheet.

25 19. The method of Claim 18, wherein the XSL stylesheet comprises one or
more templates corresponding to each custom content generation tag, the templates
comprising HTML code to replace the corresponding custom content generation tag.

30 20. The method of Claim 19, wherein one or more of the templates
comprise code operable to generate HTML code to replace the corresponding custom
content generation tag.

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21. Custom tag transformation software embodied in a computer-readable medium and operable to:

receive a request from a web browser for a file comprising one or more custom content generation tags that the web browser is unable to interpret;

5 transform the custom content generation tags into first output that the web browser is able to interpret; and

communicate the first output to the web browser in response to the request.

10 22. The software of Claim 21, wherein the first output comprises code selected from the group consisting of HyperText Markup Language (HTML) code, Extensible Markup Language (XML) code, and Wireless Markup Language (WML) code.

15 23. The software of Claim 21, wherein:
the requested file further comprises one or more standard content generation tags that the web browser is unable to interpret; and

the software is further operable to:

interpret the standard content generation tags and generate second output that the web browser is able to interpret; and

20 communicate the second output to the web browser with the first output in response to the request.

24. The software of Claim 23, wherein:
the requested file comprises a JAVASERVER PAGES (JSP) file;
25 the standard content generation tags comprise JSP standard tags; and
the custom content generation tags comprise JSP custom tags.

30 25. The software of Claim 23, wherein the first and second output comprises code selected from the group consisting of HyperText Markup Language (HTML) code, Extensible Markup Language (XML) code, and Wireless Markup Language (WML) code.

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26. The software of Claim 21, further operable to transform the custom content generation tags using an Extensible Stylesheet Language (XSL) stylesheet.

5 27. The software of Claim 26, wherein the XSL stylesheet comprises one or more templates corresponding to each custom content generation tag, the templates comprising HTML code to replace the corresponding custom content generation tag.

10 28. The software of Claim 27, wherein one or more of the templates comprise code operable to generate HTML code to replace the corresponding custom content generation tag.

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29. A system for transforming custom content generation tags, comprising:
means for receiving a request from a web browser for a file comprising one or
more custom content generation tags that the web browser is unable to interpret;
means for transforming the custom content generation tags into first output
that the web browser is able to interpret; and
means for communicating the first output to the web browser in response to
the request.

30. The system of Claim 29, wherein:
the requested file further comprises standard content generation tags that the
web browser is unable to interpret; and
the system further comprises:
means for interpreting the standard content generation tags and
generating second output that the web browser is able to interpret, the means for
interpreting and generating unable to interpret the custom content generation tags;
means for communicating the unprocessed custom content generation
tags to the means for transforming, the means for transforming operable to transform
the unprocessed custom content generation tags into the first output; and
means for communicating the first and second output to the web
browser in response to the request.